

IV. AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A cradle, used for a receiving terminal having a first antenna for receiving a carrier wave convoluted with a signal, a reproducing means for reproducing the signal received through the first antenna and a first output terminal for outputting the reproduced signal, comprising:

a mounting portion on which the receiving terminal is detachably mounted;

an external antenna for receiving the carrier wave;

a transmitting antenna disposed opposite to the first antenna of the receiving channel terminal, for transmitting the signal received through the external antenna to the receiving terminal mounted on the mounting portion;

a first input terminal capable of being connected to the first output terminal of the receiving terminal mounted on the mounting portion; and

a second output terminal for outputting the received signal inputted from the first input terminal.

2. (Previously Presented) The cradle as set forth in claim 1,
wherein the receiving terminal has a reproduced signal providing means for providing the reproduced received signal to an user; and
wherein the cradle has:

means for causing the receiving terminal to shift from a first mode to a second mode when the receiving terminal is mounted on the mounting portion, the first mode being for providing the user with the received signal by using the reproduced signal providing means, the second mode being having the reproduced signal be capable of being output from the second output terminal.

3. (Previously Presented) The cradle as set forth in claim 2,

wherein the reproduced signal providing means is means for displaying the received signal reproduced by the reproducing means.

4. (Previously Presented) The cradle as set forth in claim 2,

wherein the reproduced signal providing means is means for outputting the received signal reproduced by the reproducing means as an audible sound.

5. (Canceled)

6. (Original) The cradle as set forth in claim 1,

wherein the second output terminal is capable of being connected to an external device having at least an indicator and means for outputting a control signal for controlling the receiving terminal,

wherein the cradle has:

a second input terminal for inputting the control signal transmitted from the external device; and

a transmitting means for transmitting the control signal inputted through the second input terminal to the receiving terminal mounted on the mounting portion.

7. (Original) The cradle as set forth in claim 1, further comprising:

a receiving portion for receiving the control signal which is transmitted from a remote controller to control the receiving terminal; and

a control signal transmitting means for transmitting the received control signal to the receiving terminal mounted on the mounting portion.

8. (Original) The cradle as set forth in claim 1, further comprising:

a power source inputting portion for being connected to an external direct current power source; and

a power source supplying portion for supplying the direct current power to the receiving terminal mounted on the mounting portion.

9. - 19. (Canceled)

20. (Currently Amended) A receiving system including a cradle and a receiving terminal,

wherein the cradle has:

a mounting portion on which the receiving terminal is detachably mounted;

an external antenna for receiving a carrier wave convoluted with a signal;

a transmitting means for transmitting the signal received through the external antenna to the receiving terminal mounted on the mounting portion;

a first input terminal capable of receiving a signal from the receiving terminal mounted on the mounting portion; and

a first output terminal for outputting the received signal inputted from the first input terminal to an external device;

a control signal receiving means for receiving the control signal which is transmitted from a remote controller to control the receiving terminal; and

a control signal transmitting means for transmitting the received control signal to the receiving terminal mounted on the mounting portion.

wherein the receiving terminal has:

a built-in antenna for receiving the carrier wave convoluted with a signal;

a receiving means for receiving the signal transmitted from the transmitting ~~portion-means~~ of the cradle through the external antenna; first shifting means for shifting the receiving terminal from a first mode to a second mode when the receiving terminal is mounted on the mounting portion, the first mode being for receiving the carrier wave by the built-in antenna, the second mode being for receiving the signal by the receiving means through the external antenna;

a decoding means for decoding the signal received through the built-in antenna or the receiving portion; and

a reproducing means for reproducing the received signal decoded by the decoding means; and

a second output terminal for outputting the received signal decoded by the decoding means to the first input terminal of the cradle; and

a control signal inputting means for inputting the control signal transmitted from the control signal transmitting means of the cradle.

21. (Previously Presented) The receiving system as set forth in claim 20, wherein the receiving terminal has:

a reproduced signal providing means for providing the reproduced signal to an user; and

second shifting means for shifting the receiving terminal from a third mode to a fourth mode when the receiving terminal is mounted on the mounting portion, the third mode for providing the user with the reproduced signal by using the reproduced signal providing means, the fourth mode for having the reproduced signal be capable of being output from the second output terminal to the first input terminal of the cradle.

22. (Previously Presented) The receiving system as set forth in claim 21, the reproduced signal providing means is means for displaying the received signal reproduced by the reproducing means.

23. (Previously Presented) The receiving system as set forth in claim 21, the reproduced signal providing means is means for outputting the received signal reproduced by the reproducing means as an audible sound.

24. (Canceled)

25. (Currently Amended) The receiving system as set forth in claim 24,
wherein the control signal includes a brake signal of a vehicle capable of being
~~Equipped~~ equipped with the receiving terminal, and
wherein the receiving terminal has a restricting means for restricting reproduction
by the reproducing means or the output of the reproduced signal from the second output
terminal according to the brake signal included in the control signal inputted by the
control signal inputting means.

26. (Currently Amended) The receiving system as set forth in claim-24 20,
wherein the first output terminal is capable of being connected to the external
device having at least an indicator and means for outputting a control signal for
controlling the receiving terminal,
wherein the cradle has:
a second input terminal for inputting the control signal transmitted from the
external device; and
a control signal transmitting means for transmitting the control signal inputted
through the second input terminal to the control signal inputting means of the receiving
terminal mounted on the mounting portion.

27. (Canceled)

28. (Previously Presented) The receiving system as set forth in claim 20,
wherein the receiving terminal has a battery, and
wherein the cradle has:
a power source inputting portion for being connected to an external direct current
power source; and
a power source supplying portion for supplying the direct current power to the
battery of the receiving terminal mounted on the mounting portion.